

## **EOSDIS data for Oceans Research**

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The NASA EOS Data and Information System (EOSDIS) provides a structure for data management and will produce derived products from Earth Observing System (EOS) satellite instruments. Within the EOSDIS, nine Distributed Active Archive Centers (DAACs) provide data and information to support the global change research community. The DAACs are readily accessible via e-mail, fax, phone, mail, and the World Wide Web, using a browser such as Mosaic. Data holdings can be searched through the Global Change Master Directory. Recently a system, the Version 0 Information Management System (VOIMS) prototype, has been developed as a multi-DAAC search and order tool in support of interdisciplinary research.

The JPL Physical Oceanography DAAC archives and distributes data relevant to the physical state of the oceans. Much of the data is global and spans up to fourteen years; these data sets support a variety of research including global climate change studies.

Products available from JPL are largely satellite derived and include: sea-surface height, surface-wind speed and vectors, integrated water vapor, atmospheric liquid water, sea-surface temperature, heat flux, and in-situ data as it pertains to satellite data. These products are derived from instruments that include: TOPEX/Poseidon altimeters, NOAA AVHRR, the Nimbus-7 SMMR and DMSP SSM/I radiometers, and Seasat scatterometer and altimeter. PO DAAC also distributes applications for plotting hydrographic data. In the future JPL will archive and distribute products from the NSCAT/Altios scatterometer, EOS altimeter, SeaWinds scatterometer, ENVISAT altimeter and scatterometer, and the MEROP scatterometer.

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